CLAIMS

1.   A method of filtering messages, comprising:

receiving a text-based filter string representing filter criteria;

converting the text-based filter string directly to machine-language filter

5   code once for use by a code section of a computer program; and

using the code section, executing the machine-language filter code to

accept or discard multiple messages received by or residing within one or more

software components within the computer program based on the filter criteria.

10   2.   The method of claim 1, wherein executing the machine-

language filter code is performed by a central processing unit running the computer

program.

3.   The method of claim 2, wherein the computer program is a

15   Java^{TM} virtual machine.

4.   The method of claim 1, wherein the machine-language filter

code is directly executable by the central processing unit.

20   5   The method of claim 4, wherein the machine-language filter

code is a Java^{TM} class.

6.   The method of claim 1, wherein the text-based filter string is

human-readable.

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7.   The method of claim 6, wherein the text-based filter string is

formatted according to a conditional expression syntax.

8.   A system of filtering information transmitted from one or more

30   software components within a computer program to one or more other software

components within another computer program or the same computer program, comprising:

a filter generator configured to receive a text-based filter string representing filter criteria;

5   a machine language generator coupled with the filter generator and being configured to convert the text-based filter string directly to machine-language filter code; and

a processor for executing the machine-language filter code for a software component of a computer program to accept or discard information received

10   by the software component within the computer program based on the filter criteria.

9.   The system of claim 8, wherein the processor is included with a central processing unit.

15   10.   The system of claim 8, wherein the computer program is a Java™ virtual machine.

11.   The system of claim 8, wherein the machine-language filter code is directly executable by the central processing unit.

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12   The system of claim 11, wherein the machine-language filter code is a Java™ class.

13.   The system of claim 8, wherein the filter string is human

25   readable.

14.   The system of claim 13, wherein the filter string is formatted according to a conditional expression syntax.